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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/561,038	12/16/2005	Katsuhito Miura	2005_1996A	3768	
	7590	EXAMINER			
2033 K STREE		LEWIS, BEN			
SUITE 800 WASHINGTOI	N, DC 20006-1021	ART UNIT	PAPER NUMBER		
			1795		
		MAIL DATE	DELIVERY MODE		
			02/09/2009	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application	tion No. Applicant(s)						
Office Action Summary			10/561,038		MIURA ET AL.				
			Examiner		Art Unit				
			Ben Lewis		1795				
<i>T</i> Period for R	he MAILING DATE of this commun eply	nication appe	ears on the c	over sheet with the c	orrespondence ad	ddress			
WHICHE - Extension after SIX - If NO peri - Failure to Any reply	TENED STATUTORY PERIOD F EVER IS LONGER, FROM THE N s of time may be available under the provisions (6) MONTHS from the mailing date of this comr od for reply is specified above, the maximum st reply within the set or extended period for reply received by the Office later than three months then term adjustment. See 37 CFR 1.704(b).	MAILING DA s of 37 CFR 1.136 munication. ratutory period will will, by statute, co	TE OF THIS 6(a). In no event, Il apply and will e cause the applica	COMMUNICATION however, may a reply be tin xpire SIX (6) MONTHS from tion to become ABANDONE	N. nely filed the mailing date of this of (35 U.S.C. § 133).				
Status									
1)⊠ Re	sponsive to communication(s) file	ed on 03 Oct	tober 2008						
·	•	2b)⊠ This a		ı-final					
<i>'</i> —		<i>'—</i>			secution as to the	e merite is			
7—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Oic	sed in accordance with the pract	icc dildci Zx	parte Quay	76, 1999 O.B. 11, 40	0.0.210.				
Disposition	of Claims								
4)⊠ Cla	aim(s) <u>1-8</u> is/are pending in the a _l	oplication.							
4a)	4a) Of the above claim(s) is/are withdrawn from consideration.								
	aim(s) is/are allowed.								
·	6)⊠ Claim(s) <u>1-8</u> is/are rejected.								
·	aim(s) is/are objected to.								
•	aim(s) are subject to restric	ction and/or	election req	uirement.					
			·						
Application —	•								
-	e specification is objected to by th			_					
10)⊠ The	10)⊠ The drawing(s) filed on <u>30 April 2005</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.								
Ар	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Re	placement drawing sheet(s) including	g the correctio	on is required	if the drawing(s) is ob	ected to. See 37 C	FR 1.121(d).			
11)∐ Th∈	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority und	er 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
2) Notice of 3) Information	References Cited (PTO-892) Draftsperson's Patent Drawing Review (Fon Disclosure Statement(s) (PTO/SB/08) (s)/Mail Date	PTO-948)	4 5 6) Interview Summary Paper No(s)/Mail Da) Notice of Informal P) Other:	ate				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Miura et al. (U.S. Patent No. 6,159,389).

With respect to claim 1, Miura et al. teach disclose a polyether copolymer and crosslinked solid polymer electrolyte (title) wherein, the copolymer of Miura has a repeating unit of formula (I) (which reads on Applicant's formula (ii)) and a repeating unit of the formula (II) (which reads on Applicant's formula (i) (Col 1 lines 55-67);(Col 3 lines 1-30).

Miura et al. teach that the copolymer is mixed with lithium perchlorate (electrolyte salt) (Col 13 lines 5-15).

Miura et al. teach n-hexane as an aprotic organic solvent (Col 13 lines 34-55)

Mura et al. teach that triehtylene glycol dimethacrylate (additive) was added as a crosslinking agent (Col14 lines 1-16).

With respect to claim 2, Miura et al. teach that as the ethylenically unsaturated group-containing oxirane compound there can be glycidyl acrylate and glycidyl methacrylate (Col 4 lines 55-67).

With respect to claim 3, Miura et al. teach that polyether copolymer weight-average molecular weight of 10⁴ to 10⁷.(Col 4 lines 24-35).

With respect to claim 4, Miura et al. teach that as the polyether copolymer used as the raw material for the crosslinke material the (A) 4 to 40% by mol of a repeating unit derived from a monomer represented by the formula (I): (B) 95 to 59% by mol of a repeating unit derived from a monomer represented by the formula (II) (Col 3 lines 55-67).

With respect to claims 5-8, Miura et al. teach a battery comprising a positive and negative electrode and polymer solid electrolyte of (Col 12 lines 30-57).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ben Lewis whose telephone number is 571-272-6481. The examiner can normally be reached on 8:30am - 5:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ben Lewis/ Examiner, Art Unit 1795

/PATRICK RYAN/ Supervisory Patent Examiner, Art Unit 1795